

(Unclassified // FOUO)

CSWC Operational Period Summary

1800 March 22 2018 to 0600 March 23 2018



The California Department of Fish and Wildlife (CDFW) Moccasin Creek Hatchery was inundated with water on 03/22/18 when the Moccasin Reservoir Dam experienced issues due to flood waters.

Photo Credit: Matthew Trueb via Caltrans District 10 / Facebook



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

Duty Officer	
EDO	Eric Lamoureux
CSWC Watch Officer	Sarah Murdock (Day) Jennifer Gordon (Night)
STAC Duty Officer	STAC@caloes.ca.gov 916-275-4069
FDO	Cathy Johnson
LDO	Mark Baldwin Tom Anzelmo (Shadow)
IDO	Kyle Noderer
CDO	Memoree McIntire Shauna Polk (Shadow)
SDO	Joanne Phillips
PIO	Brad Alexander
TDO	George Lowry
ITDO	Mark Swart
EQTP	Emily Holland
Tribal Liaison POC	Denise Shemenski
Access and Functional Needs POC	Vance Taylor

National Terrorism Advisory System



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24 Hour STAC Report

- Report Attached

SITUATION SUMMARY

Cal OES Activation Status

State Operations Center	Inland Region EOC	Coastal Region EOC	Southern Region EOC
Level 2	Normal Operations	Normal Operations	Normal Operations

Cal OES COASTAL REGION

- See River Forecast slide for current river conditions

Magnitude 4.7 Earthquake, Petrolia, Humboldt County

On 03/22/18 at 2009 hours, an earthquake with a preliminary magnitude of 4.6 occurred near Petrolia, Humboldt County. The National Tsunami Warning Center issued a Tsunami Information Statement with no tsunami danger for California.

- Verified magnitude was 4.7
- Humboldt County reported shaking was felt and there were no injuries or damage reported
- The California State Warning Center (CSWC) made notifications per SOP
- The Cal OES Earthquake and Tsunami Program Duty Officer (EQTP-DO) and Coastal Region Duty Officer (CDO) are monitoring

Cal OES INLAND REGION

- See River Forecast slide for current river conditions

Potential Dam Failure, Moccasin Reservoir, Tuolumne County

On 03/22/18 at 1421 hours, CSWC was notified by the National Weather Service (NWS) Sacramento of potential dam failure of the Moccasin Reservoir. NWS received the report from dam personnel.

- All employees of the dam facility and the campground were evacuated
- Dam Observers were on scene and in position
- San Francisco Public Utility owns the dam, water service to the City of San Francisco will not be affected
- There are no requests for state assistance and no unmet needs
- CSWC made notifications per SOP

Update as of 03/22/18 at 2100 hours:

- Dam failure is NOT imminent
- Dam operators have dropped the reservoir level and stabilized the situation
- The emergency spillway stopped flowing by end of day on 03/22/18
- The dam is expected to be emptied by 03/23/18
- Seepage has stopped
- One (1) geologist and two (2) engineers are onsite
- Dam operators are assessing the dam
- SR 49 is closed at SR 120 per Caltrans District 10 due to undercutting that will require repairs

SITUATION SUMMARY

Potential Dam Failure, Moccasin Reservoir, Tuolumne County (Continued)

- The California Department of Fish and Wildlife (CDFW) Moccasin Creek Hatchery has flooded
 - Employees and their families who live at the hatchery were evacuated safely
 - CDFW will perform initial damage assessment of the fish hatchery the morning of 03/23/18.
- Moccasin Powerhouse has been shut down and evacuated
- The Cal OES State Operations Center (SOC) and Cal OES Dam Safety Program will continue to monitor

Significant Precipitation, Potential Flooding and Debris Flows, Inland Region

Heavy rain associated with a strong atmospheric river event has increased runoff and snow melt, leading to higher flows and flooding.

- Urban and small streams have seen significant rises and flow over the past 24 hours due to heavy precipitation and are expected to recede within the next 24 hours.
- Flooding, as well as mud and debris flows over recent burn scar areas, are possible, especially in areas affected by thunderstorms.

Activations

- The Cal OES State Operations Center (SOC) is activated at Level 2, operational periods 0700-1900 hours and 1900-0700 hours
- Tuolumne County Emergency Operations Center (EOC) is at Duty Officer Status and will activate to Level 3 on 03/23/18 at 0800 hours
- Mariposa County EOC is activated to Level 2 (medium staffing)

Deployments

- 1 Inland Region Senior Emergency Services Coordinator (SESC) is deployed to Tuolumne County
- 1 Inland Region Emergency Services Coordinator (ESC) is deployed to Mariposa County

Evacuation Center

- American Red Cross (ARC) has opened an evacuation center at Mariposa Elementary School, 5044 Jones St., Mariposa

Road Closures

- Mariposa & Tuolumne Counties: SR 49 is closed at SR 120 due to flooding
- Merced County: SR 59 is closed from 7.1 miles south of Merced at Sandy Mush Rd. to 2.1 miles south of Merced at Reilly Rd. due to flooding



SITUATION SUMMARY

Significant Precipitation, Potential Flooding and Debris Flows, Inland Region (Continued)

Critical Infrastructure

- Moccasin Reservoir is NOT in imminent danger of collapse
 - Dam operators have dropped the reservoir level and stabilized the situation
- Lake Don Pedro Community Services District is reporting water main breaks, leaving approximately 80-200 homes without potable water
 - Some are vacation homes
 - Crews will assess on 03/23/18

Missions

- 2018-IREOC-45817: Request for five CALFIRE Hand Crews from the Baseline Conservation Camp to assist with sandbagging houses and roads in the Moccasin, Columbia, and Sonora areas. Requesting the crews through 03/23/18 (On Scene)
- 2018-IREOC-45809: Two hand crews and two engines to assist with flood fight (On Scene)

Cal OES SOUTHERN REGION

- See River Forecast slide for current river conditions

Significant Precipitation, Potential Flooding and Debris Flows, Southern Region

A significant, long duration storm of subtropical moisture is expected to cross Southwest California through 03/23/18.

- The heaviest rainfall intensities of this storm system is expected the morning of 03/22/18 through the morning of 03/23/18 for Santa Barbara and Ventura County.
- Thunderstorms will be possible, with rainfall rates that will range from .5 inch to 1 inch per hour for Santa Barbara County.
- Such rates will result in debris flows in and around the Thomas burn scar, which may be severe enough to breach creek beds and cause damage.

Activations

- The Cal OES State Operations Center (SOC) is activated at Level 2, operational periods 0700-1900 hours and 1900-0700 hours
- Southern Region EOC (SREOC) has resumed Normal Operations as of 03/22/18 at 1900 hours.
- Cal OES Fire and Rescue Branch EOC at Cal OES Headquarters is activated
- Cal OES Law Enforcement Branch EOC at Cal OES Headquarters [resumed Duty Officer Status on 03/22/18 at 2000 hours](#)
- Santa Barbara County OEM EOC returned to a Level 2 on 03/22/18 at 1700 hours to support the ongoing Recovery Operations
- Los Angeles County EOC [resumed Normal Operations on 03/23/18 at 0700 hours](#)
 - City of Duarte [resumed Normal Operations on 03/23/18 at 0700 hours](#)



SITUATION SUMMARY

Significant Precipitation, Potential Flooding and Debris Flows, Southern Region (Continued)

Deployments

Cal OES Fire and Rescue Emergency Operations Center (Fire EOC):

- 1 Cal OES Fire and Rescue Deputy Chief
- 1 Cal OES Fire and Rescue Assistant Chief

Santa Barbara County EOC:

- 2 Cal OES Fire and Rescue Branch Assistant Chiefs
- 1 Cal OES Law Enforcement Branch Assistant Chief
- 3 Cal OES Southern Region ESCs
- 1 Department of Water Resources Liaison

Santa Barbara County ICP/IMT:

- 1 Cal OES Law Enforcement Branch Assistant Chief

Ventura County EOC:

- 1 Cal OES Fire and Rescue Branch Assistant Chief
- 1 Cal OES Southern Region Deputy Regional Administrator
- 1 Cal OES Southern Region ESC
- 1 Department of Water Resources Liaison

Resources Assigned

- Type 3 Incident Management Team (IMT)
- 16 Engines, 1 Squad, 2 Ambulances, 2 US&R units, 3 Heavy Equipment (Excavator/Dozer), 2 Crews, 20 Miscellaneous Overhead
- 2 US&R Regional Task Forces (29 personnel, associated vehicles and equipment)
- 2 Cal OES Swiftwater Task Forces (14 personnel, associated vehicles and equipment)
- 1 Cal OES Type 1 Engine Strike Teams (22 personnel)
- 1 Cal OES Type 3 Engine Strike Teams (22 personnel)
- Cal OES Support Unit 5261

SITUATION SUMMARY

Significant Precipitation, Potential Flooding and Debris Flows, Southern Region (Continued)

Proclamations

- On 03/22/18, Ventura County requested CDAA be added to the original Thomas Fire Proclamation submitted in December 2017, due to the mud, debris flow, and damage to infrastructure as a result of the March 2018 Storms.

Mandatory Evacuations

Santa Barbara County:

- Per Cal OES Law Enforcement Branch, as of 03/22/18 at 1600 hours, all evacuations have been lifted in Santa Barbara County.

Ventura County:

- Both Mandatory and Voluntary Evacuation Orders were lifted on 03/22/18 at 1600 hours, for the unincorporated areas and the city of Ojai and at 1700 hours for the City of Ventura.

Los Angeles County:

- Per Cal OES Law Enforcement Branch, [as of 03/22/18 at 1906 hours, Mandatory Evacuation Orders remain in effect for 8300 to 9000 block of La Tuna Canyon Rd., Sun Valley, due to road blockage until at least 03/23/18.](#)

Riverside County:

- Per Cal OES Law Enforcement Branch, as of 03/22/18 at 1645 hours, all evacuations have been lifted in Corona, Riverside County.

Voluntary Evacuations

- Los Angeles County:
 - In the La Tuna Canyon Fire burn area effective 03/21/18 at 1800 hours, from the 9000 block of La Tuna Canyon Rd. to Sunland Blvd.; from Day St. (North Border) to Plainview Ave. (East Border) to Sherman Grove Ave. (West Border).
 - The City of Burbank: Burbank East (Sunset, Wildwood and Stough Canyons); Burbank West (Craig, Irving, McClure, Brace, Cabrini and Fisher Canyons); County Club Dr. east of Via Montana; All of Hamlin Pl.; Groton Dr. east above Kenneth and Hamline Pl.
- Orange County:
 - The City of Anaheim has issued voluntary evacuations in the Canyon Fire 2 burn area; including Overlook Terrace, Blue Sky Rd., and Columbus Dr.

SITUATION SUMMARY

Significant Precipitation, Potential Flooding and Debris Flows, Southern Region (Continued)

Shelters

Ventura County:

- Ventura College, 4667 Telegraph Rd., Ventura
 - Midnight Shelter Count: 25
- Santa Paula Community Center, 536 W. Main St., Santa Paula (homeless services shelter)
- Nordhoff High School, 1401 Maricopa Hwy, Ojai

Los Angeles County:

- Sylmar Recreation Center, 13050 Borden Ave., Sylmar (accepting small animals)
 - Midnight Shelter Count: 0
- Westwood Recreation Center, 1350 Sepulveda Ave., Los Angeles
 - Midnight Shelter Count: 0
- Verdugo Recreation Center, 3201 W. Verdugo Ave, Burbank, CA (Reception Center)
- Sun Valley Recreation Center, 8133 Vineland Ave. Sun Valley, CA
 - Midnight Shelter County: 0
- Large Animals can be taken to the Equestrian Park at the Hansen Dam, 11127 Orcas Ave., Lake View Terrace

Road Closures

- San Luis Obispo / Monterey County:
 - SR 1 (Pacific Coast Highway) is closed at Ragged Point due to a landslide. Estimated time of reopening: Unknown.
- Santa Barbara County:
 - SR 192 is closed from 1.6 mi east of Santa Barbara at Sycamore Canyon Rd. to Cravens Ln. due to a mudslide. Estimated time of reopening: Unknown.
- Ventura County:
 - SR 33 is closed between Fairview Rd. and Lockwood Valley, Meiners, due to mud and debris flow. Estimated time of reopening: Unknown.
 - Per Cal OES Law Branch on 03/23/18 at 0011 hours, the following roads are experiencing mud and debris flows:
 - US 101 between Carpinteria and Ventura, intermittent closures due to multiple location mud and debris flow onto the freeway.
 - SR 1 at Mondos Beach is closed due to mud and debris flow
 - SR 150 between Bridge Rd. and Steckel Park is closed due to mud slide and downed trees
 - CHP has Caltrans crews on scene to try and clear before the morning commute.
 - The rain is subsiding in the area and the flows should subside as well.
- Los Angeles County:
 - La Tuna Canyon Rd. from the 9000 block to the 210 Freeway is closed. Estimated time of reopening: Unknown
- CHP will continue to monitor major routes for potential closures should debris flows/flooding effect roadways.



SITUATION SUMMARY

Significant Precipitation, Potential Flooding and Debris Flows, Southern Region (Continued)

Health and Medical

Santa Barbara County:

- Casa Dorinda, a LifeCare Community, fully evacuated all residents (residents will be returned to the facility as repopulation begins)
- Carpinteria Senior Lodge is in the process of evacuating (residents will be returned to the facility as repopulation begins)
- Futures Unlimited Adult Residential Facility (ARF) has evacuated (residents will be returned to the facility as repopulation begins)
- GranVida Residential Care Facility for the Elderly (RCFE) will shelter in place

Schools

- All schools will resume classes and return to their original locations on 03/23/18

Missions

- 2018-LAW-45778 - VHF portable radio kit (14 radios/batteries/chargers) for issuance to CNG high water vehicle personnel for communication with fire & sheriff. Radio kit requested to be deployed to Santa Barbara County EOC, 4408 Cathedral Oaks Rd., Santa Barbara. (On Scene)
- 2018-SOC-45759: Santa Barbara County through the local Type III IMT is requesting 1 Type 1 Strike team (2 crews) to assist with emergency protective measures. 2 CCC hand crews ordered additionally. (On Scene)
- 2018-SOC-45756: DWR field representatives to fill a technical specialist position at the Santa Barbara and Ventura Counties EOCs for 03/20/18-03/22/18. (On Scene)
- 2018-LAW-45747: Santa Barbara Sheriff's Office is requesting 5 CNG High Water Vehicles for 03/20/18-03/22/18. (On Scene)

FIRE ACTIVITY

Cal OES Fire Preparedness Levels

National	Northern California	Southern California
Preparedness Level 1	Preparedness Level 1	Preparedness Level 2
	Multi-Agency Coordination System MACS Mode: 1	Multi-Agency Coordination System MACS Mode: 1

Please note: The National and Regional Preparedness Levels are maintained by the National Multi-Agency Coordination (MAC) Group and are separate from Cal OES activation levels.

- Nothing significant to report.

MAJOR ROAD / HIGHWAY / BRIDGE CLOSURES

Major Road Closures		
Northern California	Central California	Southern California
No Lifeline Route Closures	No Lifeline Route Closures	No Lifeline Route Closures

Lifeline Routes

- There are no lifeline route closures.

Non-Lifeline Routes:

- Mariposa & Tuolumne Counties: SR 49 is closed at SR 120 due to flooding. Estimated time of reopening: Unknown
- Merced County: SR 59 is closed from 7.1 miles south of Merced at Sandy Mush Rd. to 2.1 miles south of Merced at Reilly Rd. due to flooding. Estimated time of reopening: 03/23/18 at 1200 hours
- Kern County: SR 223 is closed from 4.8 miles east of Arvin at Deertrail Dr. to the junction of SR 58. Estimated time of reopening: Unknown
- Monterey County: SR 1 is closed 3 miles south of Lucia due to a rock slide. Estimated time of reopening: Unknown
- San Luis Obispo County: SR 1 (Pacific Coast Highway) is closed at Ragged Point due to a landslide. Estimated time of reopening: Unknown
- Ventura County: State Route 33 is closed between Fairview Rd. and Lockwood Valley due to mud and debris flow. Estimated time of reopening: Unknown
- Santa Barbara County: SR 192 is closed from 1.6 mi east of Santa Barbara at Sycamore Canyon Rd. to Cravens Ln. due to mudslide. Estimated time of reopening: Unknown.
- Los Angeles County: SR 2 is closed from Islip Saddle to 5 miles west of Big Pines. Estimated time of reopening: Unknown

Wildfire Closures:

- There are no wildfire closures.

Emergency Center Activations:

- Caltrans Department Operations Center (DOC) is activated at Level 3

Interactive Travel Forecast Map Based on Weather Conditions Provided by National Weather Service (Prototype)

<http://www.wrh.noaa.gov/wrh/travel/?wfo=mtr>



Click on the Caltrans Logo to check
current highway conditions.
You can also call 1-800-427-7623 for
current highway conditions.



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California 911 System

CA 911 Outages		
Northern California	Central California	Southern California
No 911 Outages	No 911 Outages	No 911 Outages

911 Outages/Remote/Community Isolations:

- None reported.

Service Interruptions:

- None reported.

WEATHER OF CONCERN

Weather of Concern

- Forecast flooding has changed from minor to moderate severity for the Middle Fork Feather River near Portola, affecting Plumas County. Heavy rain associated with a strong atmospheric river event will create increased runoff and snowmelt in the river basin.

Weather Advisories, Watches, and Warnings currently active in California:

- <http://www.wrh.noaa.gov/hazardSummary/?state=ca>

Active Weather Warnings, Watches and Advisories by County:

- <http://www.wrh.noaa.gov/hazardSummary/?state=ca&bycounty=1>

RIVER FORECAST

Cal OES COASTAL REGION

River Forecast – The following rivers are expected to meet or exceed Monitor Stage:

- None Reported

Cal OES INLAND REGION

River Forecast – The following rivers are expected to meet or exceed Flood Stage:

Plumas County:

- Middle Fork Feather River at Portola is expected to reach **9.9 feet** the morning of 03/24/18. Flood Stage is 8.5 feet.
 - Potential Impacts: Some minor lowland flooding in reach between Beckwourth and Sloat, including Portola. Sleepy Pines Motel and other low structures along river in Portola experience minor flooding.

River Forecast – The following rivers are expected to meet or exceed Monitor Stage:

Yuba County:

- Yuba River at Marysville is expected to crest at **74.8 feet the morning of 03/23/18**. Flood Stage is 88.0 feet.

Sutter County:

- Sacramento River at Tisdale Weir is expected to crest at **46.7 feet** the morning of 03/24/18. Flood Stage is 53.0 feet.

Sacramento County:

- **Cosumnes River at Michigan Bar is expected to crest at 9.5 feet the morning of 03/23/18. Flood Stage is 12.0 feet.**
- Cosumnes River at McConnell is expected to reach **41.9 feet** the morning of 03/23/18. Flood Stage is 46.0 feet.
- Mokelumne River at Benson's Ferry is expected to crest at **13.1 feet** the morning of 03/24/18. Flood Stage is 17.0 feet.

Merced County:

- Bear Creek at McKee Rd. is expected to reach **21.8 feet the morning of 03/23/18**. Flood Stage is 23.0 feet.

Cal OES SOUTHERN REGION

River Forecast – The following rivers are expected to meet or exceed Monitor Stage:

- None Reported

Please see link for River Forecast Guidance - <http://www.cnrfc.noaa.gov/>

WEATHER SYNOPSIS BY REGION

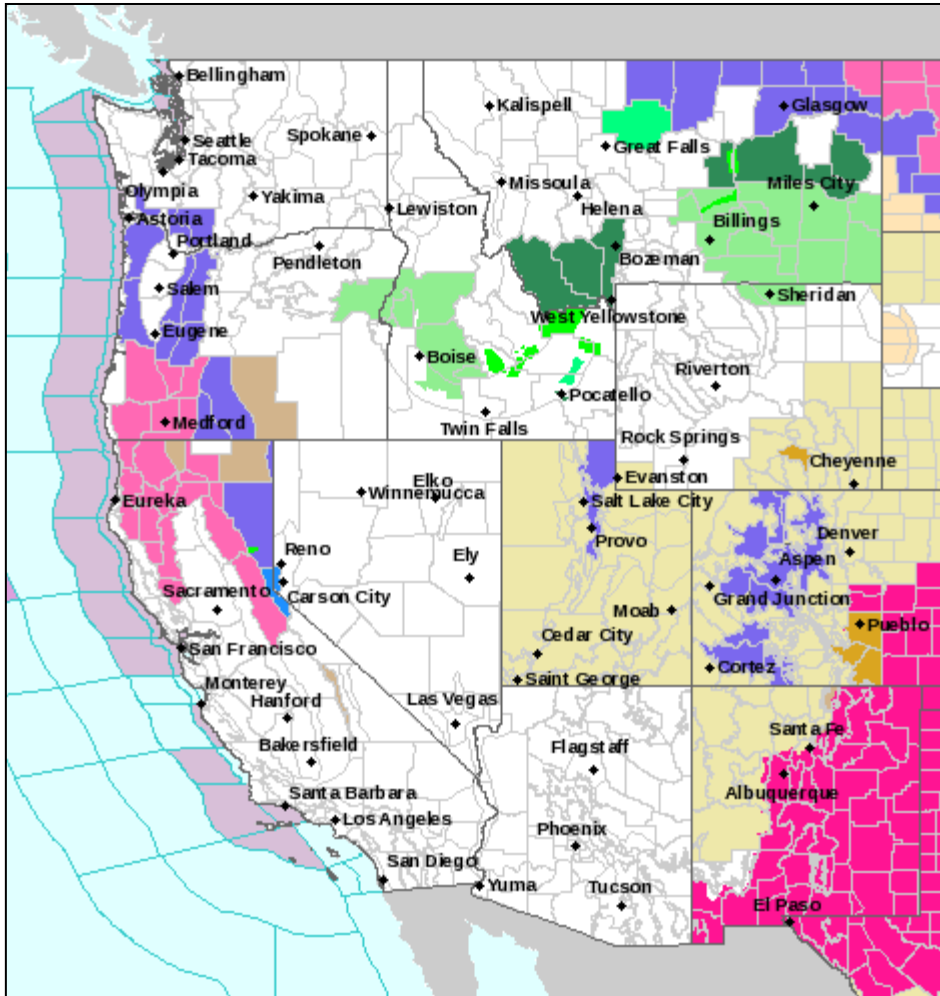
NORTHERN CALIFORNIA





Wet unsettled weather will continue throughout the region through Sunday as a series of low pressure troughs and cold fronts pass over the area. Rain accompanying the front will be heavy in some areas, especially in the Sierra. By this morning snow levels will be around 2,000 feet in the north and 3,500 feet in the south. A break in the precipitation and clouds could allow cold air to be trapped in the canyons surrounding the northern Sacramento Valley and lead to lower snow levels when the next wave of precipitation moves in early today. S-W winds will gust to 30-40 mph in many areas through Saturday, with higher elevation wind-prone areas possibly seeing gusts reach 50 mph. Next week looks dry as a Pacific high pressure ridge moves closer to the coast. Stable conditions and abundant spring sunshine will lead to above normal temperatures, and periods of dry gusty northerly winds can also be expected with this pattern.

SOUTHERN CALIFORNIA

A Pacific trough dropping down the West Coast will bring isolated to scattered showers to the region today through Sunday. Most locations will receive less than a quarter inch of rainfall with this trough, but the Central Sierra will receive up to an inch of rainfall. The snow level will drop to between 4,000 and 6,000 feet. Westerly winds of 20 to 30 mph with gusts to 50 mph will surface across the wind prone mountain and desert areas Saturday afternoon through Sunday evening. Temperatures will be 5 to 10 degrees below normal through this weekend, with 40s to low 50s across the mountains and mid 50s to mid 60s in the valleys. A ridge of high pressure will build into California from the Pacific Ocean bringing a warming and drying trend Monday through the middle of next week. Moderate offshore winds will occur across the mountains and below the canyons and passes of Southern California Tuesday morning through Wednesday afternoon.

WEATHER MAP



Flash Flood Warning	
Winter Storm Warning	
High Wind Warning	
Avalanche Warning	
Flood Warning	
Gale Warning	
Red Flag Warning	
Winter Weather Advisory	
Flood Advisory	
Small Craft Advisory For Hazardous Seas	
Small Craft Advisory For Rough Bar	
Small Craft Advisory For Winds	
Small Craft Advisory	
Hazardous Seas Warning	
Lake Wind Advisory	
Wind Advisory	
Gale Watch	
Flood Watch	
High Wind Watch	
Fire Weather Watch	
Special Weather Statement	
Hazardous Weather Outlook	
Hydrologic Outlook	



Cal OES LAW ENFORCEMENT MISSIONS

Cal OES Law Missions

- **2018-LAW-45768, 03/20/18, 1200 hours:** The San Luis Obispo County Sheriff's Office requested 7 human remains detection (HRD) K9s for a Law Enforcement sensitive investigation on 03/25/18 at an undisclosed location. The Cal OES Law Enforcement Branch Duty Officer (LDO) contacted the Cal OES K9 Coordinator who is in the process of coordinating a response. **Mission Ongoing.**

Cal OES MISSION TASKING

Cal OES Missions

- **2018-IREOC-45244:** Caltrans to remove dead and dying trees along highways in Kern, Tulare, Fresno, Madera, Mariposa, Tuolumne, Calaveras, Butte, Plumas, Sierra, Shasta, and Lassen counties.
- **2017-SOC-44098:** CalRecycle Debris Management Team in Ventura County (Coordinating)
- **2017-SOC-43821:** DTSC to remove household hazardous waste from over 500 residential lots in Ventura County (On Scene)
- **2017-Inland-42559:** Weather station installed to gather real time rainfall data by Air Resources Control Board (On Scene)



Cal OES

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Mission:

We protect lives and property, build capabilities, and support our communities for a resilient California.

We achieve our mission by serving the public through effective collaboration in preparing for, protecting against, responding to, recovering from, and mitigating the impacts of all hazards and threats.